

Conversation Contents

BBA Leachate generation ... HCT, barrel tests, waste rock

RGrismala@icfi.com

From: RGrismala@icfi.com
Sent: Fri Feb 17 2012 14:23:00 GMT-0700 (MST)
To: rseal@usgs.gov
Subject: BBA Leachate generation ... HCT, barrel tests, waste rock

***** Internal deliberative materials - Do not cite, quote, or distribute *****

Bob,

Thanks.

(b) (5)
[Redacted]

[Redacted]

Ralph

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From: Robert R Seal [<mailto:rseal@usgs.gov>]
Sent: Friday, February 17, 2012 4:01 PM
To: Grismala, Ralph
Cc: Glenn Suter; Butler.Barbara@epamail.epa.gov
Subject: RE: Supernatant and humidity cell summary

Ralph,

(b) (5)
[Redacted]

Bob

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-----"Grismala, Ralph" <RGrismala@icfi.com> wrote: -----

To: Robert R Seal <rseal@usgs.gov>, Glenn Suter <suter.glenn@epamail.epa.gov>, "Butler.Barbara@epamail.epa.gov" <Butler.Barbara@epamail.epa.gov>
From: "Grismala, Ralph" <RGrismala@icfi.com>
Date: 02/17/2012 01:28PM
Subject: RE: Supernatant and humidity cell summary

Bob,

Are you doing anything similar for the barrel tests?

Also, do you have information on the particle sizes used in the humidity cell tests and in the barrel tests?

Ralph

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From: Robert R Seal [<mailto:rseal@usgs.gov>]
Sent: Friday, February 17, 2012 12:57 PM
To: Glenn Suter; Butler.Barbara@epamail.epa.gov; Grismala, Ralph
Subject: Supernatant and humidity cell summary

Hi All,

I am finished (?) with my source term (humidity cell, supernatant) summary. In the attached spreadsheet you will find two worksheets.

One is a summary of the mean values and standard deviations. The data for the tailings and the supernatant are the same as yesterday. For the waste rock, I divided the samples into three bins: 1. Tertiary waste rock; 2. Pebble East Zone (PEZ) Pre-Tertiary Waste Rock; and 3. Pebble West Zone (PWZ) Pre-Tertiary Waste Rock. (b) (5)

The other is an updated graph showing water hardness and copper. You will notice a second graph. This merely has the scale expanded on a log scale to show the waste rock HCT results.

Bob

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